=> dis his full

(FILE 'HOME' ENTERED AT 09:20:35 ON 15 AUG 2007)

FILE 'CAPLUS, MEDLINE, EMBASE, BIOSIS, SCISEARCH' ENTERED AT 09:21:18 ON 15 AUG 2007

	13 AUG 2007	
$_{\rm L1}$	112 SI	EA ABB=ON PLU=ON QIN NING/AU
L2	11 SI	EA ABB=ON PLU=ON CODD ELLEN/AU
L3	11 Dī	JP REM L2 (0 DUPLICATES REMOVED)
	D:	IS L3 1-11 TI SO
L4	2 SI	EA ABB=ON PLU=ON "ALPHA2 DELTA CALCIUM CHANNEL SUBUNIT"
L5	2 DI	JP REM L4 (0 DUPLICATES REMOVED)
	D:	IS L5 1-2 IBIB ABS
L6	2 SI	EA ABB=ON PLU=ON "ALPHA DELTA CALCIUM CHANNEL"
L7	1094 SI	EA ABB=ON PLU=ON ALPHA (S) DELTA (S) CALCIUM (S) CHANNEL
L8	19254 SI	EA ABB=ON PLU=ON GABAPENTIN OR NEURONTIN
L9	373 SI	EA ABB=ON PLU=ON L7 AND L8
L10	303 SI	EA ABB=ON PLU=ON L7 (P) L8
L11	191 SI	EA ABB=ON PLU=ON L7 (S) L8
L12	67 SI	EA ABB=ON PLU=ON L11 AND HUMAN
L13	46 D	JP REM L12 (21 DUPLICATES REMOVED)
	D:	IS L13 20-46 TI SO AU

EAST Search History

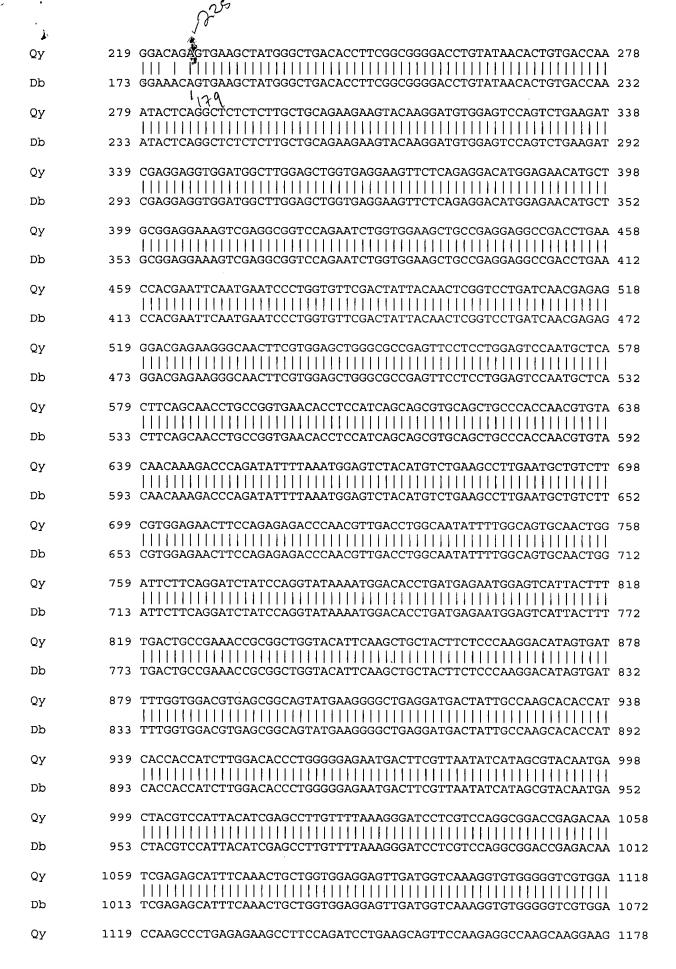
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19	Qin adj Ning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:10
L2	52	Codd adj Ellen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:11
L3	705	"voltage gated calcium channel"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:12
L4	83	"alpha 2 delta subunit"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:13
L5	22	13 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:15
L6	1	"alpha 2 delta 4 subunit"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:16
L7	0	"alpha 2 delta 4 calcium channel"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:17
L8	6	"alpha2 delta4 calcium channel"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 09:17

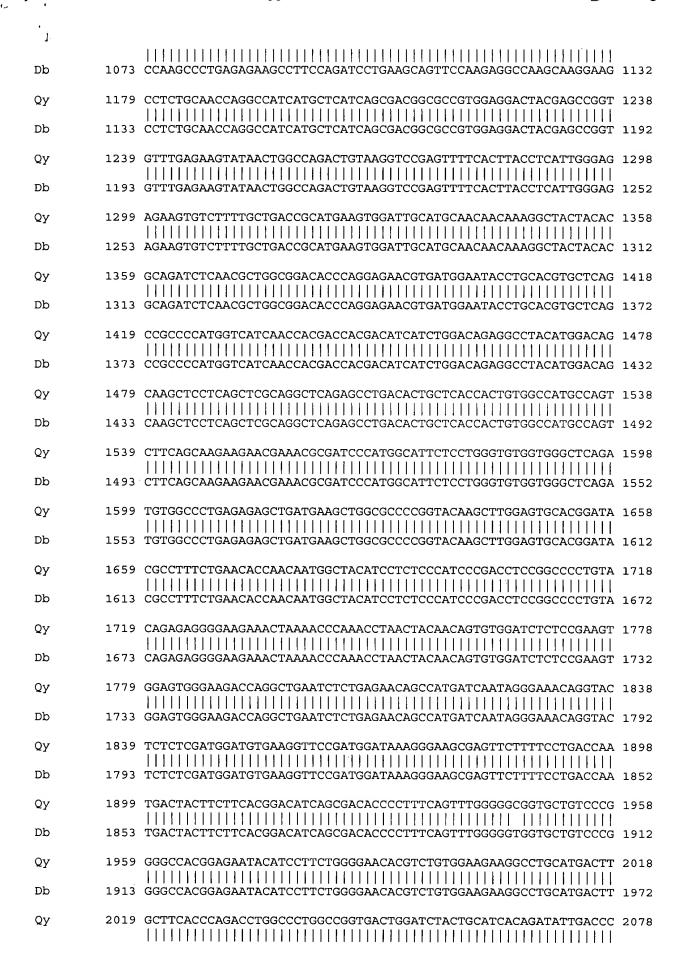
4 ES

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XX
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XX
DT
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XX
DE
    Human alpha-2-delta-D calcium channel subunit.
XX
KW
    alpha-2-delta-D; calcium channel subunit; 3p21.1; gabapentin; cytostatic;
KW
    anticonvulsant; antimigrane; antiparkinsonian; antidepressant.
XX
OS
    Homo sapiens.
XX
ΡN
    WO200020450-A2.
XX
PD
    13-APR-2000.
XX
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                   99WO-US023519.
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PR
    30-OCT-1998;
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PR
    29-DEC-1998;
                   98US-0114088P.
XX
PΑ
     (WARN ) WARNER LAMBERT CO.
XX
PΙ
    Johns MA, Moldover B, Offord JD;
XX
DR
    WPI; 2000-303744/26.
DR
    N-PSDB; AAA09254.
XX
PT
    New human nucleic acids encoding the alpha2delta-C and alpha2delta-D
PT
    proteins, useful in the treatment of epilepsy, migraine, chronic pain,
PT
    anxiety, multiple sclerosis or cancer.
XX
    Claim 8; Page 67; 88pp; English.
PS
XX
CC
    The alpha-2-delta-D gene encodes a calcium channel subunit polypeptide.
CC
    The gene has been mapped to chromosome 12p13.1. This gene and the related
CC
    alpha-2-delta-C and -B genes are useful for protecting mammalian cells
CC
     from abnormal calcium flux by introducing expression vectors containing
CC
    the respective gene into mammalian cells. The antisense genes are also
CC
    useful for treating or preventing epilepsy. The alpha-delta-2-A protein
CC
    is a high-affinity binding target of the anti-convulsant drug gabapentin.
CC
    Therefore, alpha-delta-2 proteins may also be targeted to treat seizure-
    related syndromes, migraine, ataxia, vestibular defects, chronic pain,
CC
CC
    sleep interference, anxiety, amyotropic lateral sclerosis (ALS), multiple
CC
    sclerosis, mania, tremor, parkinsonism, substance abuse or addiction
CC
    syndromes, mood, depression or cancer
XX
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 Best Local Similarity 98.0%; Pred. No. 0;
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Db
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Qy	71	RRKVEAVQNLVEAAEEADLNHEFNESLVFDYYNSVLINERDEKGNFVELGAEFLLESNAH	130
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Qy	131	FSNLPVNTSISSVQLPTNVYNKDPDILNGVYMSEALNAVFVENFQRDPTLTWQYFGSATG	190
Db	178	FSNLPVNTSISSVQLPTNVYNKDPDILNGVYMSEALNAVFVENFQRDPTLTWQYFGSATG	237
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Qу	551	LSMDVKVPMDKGKRVLFLTNDYFFTDISDTPFSLGAVLSRGHGEYILLGNTSVEEGLHDL	610
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Qу	611	LHPDLALAGDWIYCITDIDPDHRKLSQLEAMIRFLTRKDPDLECDEELVREVLFDAVVTA	670
Db	658	LHPDLALAGDWIYCITDIDPDHRKLSQLEAMIRFLTRKDPDLECDEELVREVLFDAVVTA	717
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Db	838	QMKLEFLQRKFWAATRQCSTVDGPCTQSCEDSDLDCFVIDNNGFILISKRSRETGRFLGE	897
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Db	898	VDGAVLTQLLSMGVFSQVTMYDYQAMCKPSSHHHSAAQPLVSPISAFLTATRWLLQELVL	957
Qу	911	FLLEWSVWGSWYDRGAEAKSVFHHSHKHKKQDPLQPCDTEYPVFVYQPAIREANGIVECG	970
Db	958	FLLEWSVWGSWYDRGAEAKSVFHHSHKHKKQDPLQPCDTEYPVFVYQPAIREANGIVECG	1017
Qу	971	${\tt PCQKVFVVQQIPNSNLLLLVTDPTCDCSIFPPVLQEATEVKYNASVKCDRMRSQKLRRRP}$	1030

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209 ID #9
nudeicacod
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AC
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XX
DT
     10-AUG-2000 (first entry)
XX
DE
     Human alpha-2-delta-D gene.
XX
KW
     alpha-2-delta-D; calcium channel; 12p13.3; gabapentin; cytostatic;
KW
     anticonvulsant; antimigrane; antiparkinsonian; antidepressant; ss.
XX
OS
     Homo sapiens.
XX
FH
     Key
                     Location/Qualifiers
FT
     CDS
                     3. .3365
FT
                     /*tag= a
XX
PN
     WO200020450-A2.
XX
_{
m PD}
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XX
PF
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XX
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PR
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     29-DEC-1998;
                    98US-0114088P.
XX
PΑ
     (WARN ) WARNER LAMBERT CO.
XX
PI
     Johns MA,
              Moldover B, Offord JD;
XX
DR
     WPI; 2000-303744/26.
DR
     P-PSDB; AAY92321.
XX
PT
     New human nucleic acids encoding the alpha2delta-C and alpha2delta-D
     proteins, useful in the treatment of epilepsy, migraine, chronic pain,
PT
PT
     anxiety, multiple sclerosis or cancer.
XX
PS
     Claim 1; Page 64-66; 88pp; English.
XX
CC
     The alpha-2-delta-D gene encodes a calcium channel subunit polypeptide.
CC
     The gene has been mapped to chromosome 12p13.1. This gene and the related
CC
     alpha-2-delta-C and -B genes are useful for protecting mammalian cells
CC
     from abnormal calcium flux by introducing expression vectors containing
CC
     the respective gene into mammalian cells. The antisense genes are also
CC
     useful for treating or preventing epilepsy. The alpha-delta-2-A protein
CC
     is a high-affinity binding target of the anti-convulsant drug gabapentin.
CC
     Therefore, alpha-delta-2 proteins may also be targeted to treat seizure-
CC
     related syndromes, migraine, ataxia, vestibular defects, chronic pain,
CC
     sleep interference, anxiety, amyotropic lateral sclerosis (ALS), multiple
     sclerosis, mania, tremor, parkinsonism, substance abuse or addiction
CC
CC
     syndromes, mood, depression or cancer
XX
SO
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  Query Match
  Best Local Similarity
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  Matches 3109; Conservative 0; Mismatches 39; Indels 0; Gaps
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Qy	2139	AGACCTGGAGTGTGACGAGGAGCTGGTCCGGGAGGTGCTGTTTGACGCGGTGGTGACAGC	2198
Db	2093	AGACCTGGAGTGTGACGAGGAGCTGGTCCGGGAGGTGCTGTTTGACGCGGTGGTGACAGC	2152
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Db	2153		2212
Qу	2259	GGTGGACATGGCCTTCCTGGGCACCCGGGCTGGCCTCCTGAGAAGCAGCTTGTTCGTGGG	2318
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Qу	2379	CCTGGACCGCTTCCCGCTGTGGTACCGCCAGGCCTCAGAGCATCCTGCTGGCAGCTTCGT	2438
Db	2333	CCTGGACCGCTTCCCGCTGTGGTACCGCCAGGCCTCAGAGCATCCTGCTGGCAGCTTCGT	2392
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QY		GTATGACTATCAGGCCATGTGCAAACCCTCGAGTCACCACCACGAGTGCAGCCCAGCCCCT	
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